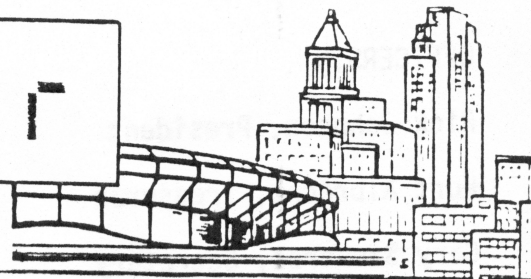


# TIMEX sinclair

## USERS GROUP OF CINCINNATI



Vol. 2 Number 10

November, 1984

### NEXT MEETING:

November 18, 1984

December 16, 1984

All meetings are held at 2:00 PM  
in room 508, Crosley Tower,  
University of Cincinnati.

### ELECTIONS

The President will appoint a  
nominating committee at this  
month's meeting.

### NOVEMBER NEWS FROM THE T/S CONNECTION

\*\*\*\*\*

This has been a busy month  
at the Connection, what with  
new products and software to  
review, and trying to locate  
items that you people have  
asked for.

This column is being written  
using yet another Word-Proc-  
essor. This one is WORD-MOST  
and I will give you a brief  
review of some of the things  
that it will, and won't do.

\*\*\*\*\*

Please submit all articles to:  
Bill Bernard  
6316 Firestone Dr.  
Fairfield, OH 45014

When it is up and running,  
WM is set up for the 2040  
Printer, but Params can be  
set for any Centronic type  
Printer. WM is written in basic, and  
is very slow, perfect for  
the hunt and peck typist but  
it could drive a touch typer  
crazy, waiting for input.

Each line is limited to 28  
characters, with no right  
margin justification, and it  
requires constant attention  
to keep the correct number  
of characters on the line. Ju-  
st to see how it works, this  
line is being entered in the  
same manner that one would  
use with a WP that has jus-  
tification.

Editing is a real bear, with  
as many as 18 keystrokes re-  
quired to change one charac-  
ter.

This program is very user  
friendly, takes you by the  
hand and leads you in the  
right direction at all times

It just takes forever to in-  
sert or to delete.

I sure can't compare it to  
Tasword Two, but it is much  
better than TW 2000, in that  
one can change the printer  
format to centronics.

\*\*\*\*\*

COMPUTER FAIR, FLEA MARKET,  
SWAP SHOP, or whatever!!!!  
Shadybrook Armory, Sat and  
Sun, Dec. 1 and 2.

Stop by, you just may find  
something that you have been  
looking for.

\*\*\*\*\*

The T/S Connection has now  
acquired the entire stock of  
Timex products from SWALLENS

At this writing we have not  
had time to check all of the  
titles, but have seen a few  
that have been hard to find.

Give us a call if there is a  
title that you have been  
looking for. We just may  
have it.

# OFFICERS:

Rick Johnson, President 825-1449  
Kurt Albrecht, Treasurer 542-3921  
Gary Szekeres, Secretary 331-8966

Our first acquisition is from the Red Bank store only and the stock will increase as supplies are received from the other Swallen stores.

\*\*\*\*\*

## MEMOTECH ITEMS

We have been lucky to locate several Memotech products.

The shipment has not arrived at this writing, but will include MEMOCALC, MEMOTEXT, R8232 I/F and cables, 64KB Ram, and other items.

\*\*\*\*\*

## CHRISTMAS SPECIAL

Westridge 2050 Modem List \$119.95  
Smart II Software List \$ 29.95  
Both pieces Special \$129.00

Get into the world of telecommunications at this low price!  
\*\*\*\*\*

## MURMURS AND GOSSIP

The I/F from the 2050 disk drive should be ready by the time you read this. No promises, but it is about ready.

Perco has a new I/F for the 1000, to an 80 col printer. This auto boots the disk drive at power up, and page one appears on the screen in a matter of seconds without any commands from the keyboard.

Nothing new on the Time-STAR

horizon. If Timex and Mr. Higgenbottom actually start any negotiations, a public announcement will be made.

If you have been receiving K-Power as a replacement for another publication, don't look for another issue. K-Power has gone the way of many other computer mags, and is no longer being published.

Our scouts are still hearing rumors of problems with the QL. If you have been waiting for the introduction of the QL in the USA, you are still going to have to keep on waiting.

This won't make a bunch of difference to the T/S family but it appears that the ADAM will be down the tube after the first of the year. Our osnoopers hear that the contract for Adam Printers has been cancelled, dealers are being offered software packages to reduce the total price, and shelves hopefully cleared after Christmas. Another good idea that just didn't take!!!!

\*\*\*\*\*

## T-S HORIZONS

This publication is still up and running, and contains 32 pages of useful information for all T/S'ers in each issue.

Rick Duncan is doing a good job for all of us with his efforts and deserves your support.

Pick up a copy at the book store, \$1.25, or get yours delivered by your friendly mail person for only \$15.00 a year.

Order from:

T-S HORIZONS  
2002 Summit St.  
Portsmouth, OH 45662

(Compared to SYNTAX, 12 pgs. and once in awhile publishing, for sky high dollars, this has to be the best value that you can find anywhere.)

\*\*\*\*\*

The T/S Connection extends Very Best Wishes for the Christmas season, and many Happy hours of computing in 1985

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## SUPER SPECIAL

### FOR CHRISTMAS

THREE ROLL PACK - 2040 PRINTER PAPER.....\$3.50

LARGE SELECTION 1000 PROGRAMS MIX EM UP...\$10.00 A DOZEN

\*\*\*\*\*



# SMARTIPS

by Randy and Lucy Gordon

FLASHWARE © 1984

The new Smarterm documentation leaves something to be desired.

## .....DOCUMENTATION!!!!

The program allows much more power than was previously available, but doesn't explain how to use that power.

The first item of importance is to remember to CLEAR 54015. This protects your terminal software from BASIC operations. Also it allows you to do NEW in BASIC without affecting RANDOMIZE USR 54016.

Here are some tips and examples of usage:

1. The BUFFER starts at 26710 which is the power-up PROG. This is the place where normal Basic programs are loaded or entered. PROG is what keeps track of the start of the BUFFER.

2. The BUFFER ends at the address of VARS. You find VARS by PRINT PEEK 23627+256\*PEEK 23628. If you PEEK VARS right after power-up you will notice that it is the same as PROG. That is because there is no program to move VARS. VARS moves around depending on the length of the BASIC listing. More about the use of VARS, POKE later.

3. To get a file from a BBS you first need to set your conversion to NONE. Toggle your BUFFER to OPEN. Take in a file. Then close your BUFFER. Next, escape to BASIC. The file should be SAVED like a normal BASIC program with SAVE "filename". You will need the Modem software to read this file later.

4. To VIEW the file that you just SAVED to tape, you must first LOAD the terminal software, ESCAPE to BASIC and LOAD "filename": PRINT USR 54016. This will return you to the terminal program with BUFFER loaded. You must go to the DATA BUFFER Menu to VIEW or PRINT the file. In VIEW mode the space bar toggles the scrolling. (on/off)

5. The BUFFER can't be filled to the limit if you wish to SAVE a tape file of the contents. BASIC requires some memory overhead to accomplish the LOAD/SAVE routines. Limit yourself to around 22K. (better safe than sorry)

6. To receive a BASIC file from another Sinclair User, you must both be in HEX conversion. Normal system set-up. (You may want to go to half duplex). When transmission is complete, close the BUFFER, escape to BASIC, and SAVE "filename".

NOTE: Anything after VARS isn't transmitted (BUFFER END = VARS). This means that any invisible variables are lost unless VARS is "moved" to accomodate the program variable stack. You must POKE VARS, E\_LINE. To do this you must PRINT PEEK 23641+256\*PEEK 23642 (E\_LINE), take the value and POKE it to 23627/23628 (VARS). You can call programs back into the computer like any other BASIC file with LOAD "".

7. To send a BASIC file, first be sure it will fit in your BUFFER. If you CLEARED you will get OUT OF MEMORY error if the file is larger than the BUFFER area (26710-54016, give or take a few bytes). Get into the terminal mode and then go to the DATA BUFFER menu. Press T for TRANSMIT. At the bottom of the screen the menu PROMPT SCREEN will appear; Press ENTER. Next, CHARACTER DELAY will appear; again, Press ENTER. ENTER again to take you to the Main Menu. Press ENTER one more time to begin transmission. If you are in HALF DUPLEX you will see what you are sending echo back to your screen. When XMIT is finished you may do normal pick-up.

8. To receive a machine code listing the set-up is the same as a BASIC file, except when you escape to SAVE to tape. The BASIC editor will appear as though it has "crashed". (INVALID COLOR or NONSENSE IN BASIC, etc.). Ignore this garbage and SAVE "filename" CODE 26710, (the number of bytes in the BUFFER). Then you must LOAD it back into the computer with LOAD "filename" CODE (PROPER or NORMAL address). Then SAVE "filename" CODE (PROPER or NORMAL address), (number of bytes).

9. To send a machine code program to another Sinclair User you must first POKE VARS, (53016) to leave room for BASIC overhead. POKE 23627,24: POKE 23628,207. This gives a large BUFFER to load to in BASIC. Then you LOAD "m'sheen code" CODE 26710: PRINT USR 54016. You must be in HEX conversion. XMIT same as any other file.

Randy/Lucy Gordon  
Timex/Sinclair Users Group  
Cincinnati, Ohio.

# From the Project Table.

Well, it's been a while, but I finally brushed the dust off the table and decided to get back to work. At the October meeting, I demonstrated a simple modification to a 2068 to allow a trakball (ATARI compatible) to work through the player 2 joystick port (Figure 1). Timex made one change in the joystick input, possibly making it an output port as well to control their microdrive. Pin 7 is shown in the Third Party manual as an select line that goes to a logical low state when a joystick input is required by a program. This is fine to drive a joystick, but doesn't work for a trakball because it expects that line to go to ground. All that you have to do to make it work is to break the trace running from pin 7 of the joystick connector and run a jumper from pin 7 to ground (Pin 29 of the Z-80 Processor will do nicely). This will not affect the joystick performance.

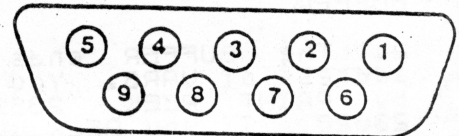
## EDITOR'S NOTE:

If you turn the trakball over, you have a mouse!!!!

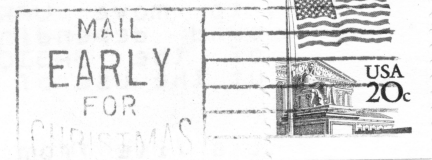
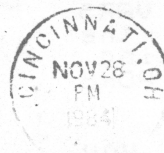
### JOYSTICK CONNECTOR SIGNAL ASSIGNMENT

P/N	SIGNAL NAME	I/O PORT BIT	FUNCTION
1	DIR1	0	STICK UP
2	DIR2	1	STICK DOWN
3	DIR3	2	STICK LEFT
4	DIR4	3	STICK RIGHT
5	---	---	not used
6	BUTTON	7	PUSH BUTTON
7	5V	---	5 VOLT POWER
8	READ STROBE	---	ADDRESS BIT 8 OR 9*
9	GND	---	POWER GROUND

\*When Address Bit 8 is high, the READ strobe to the left joystick is driven low. When address Bit 9 is high, the READ strobe to the right joystick is driven low.



TIMEX/SINCLAR USERS GROUP  
OF CINCINNATI  
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CINCINNATI, OHIO 45218



CHICAGO/DES PLAINS SINCLAIR USER  
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IL.  
60017